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Fig. 1A

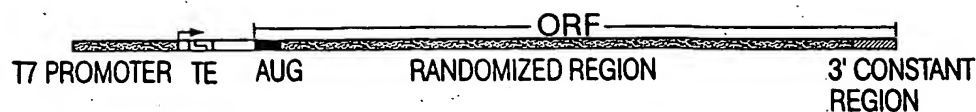



Fig. 1B

PUROMYCIN-TETHERED OLIGO IS LIGATED TO mRNA (GENERATED FROM ABOVE CONSTRUCT) IN THE PRESENCE OF A SPLINT AND DNA LIGASE

+   
+ DNA SPLINT

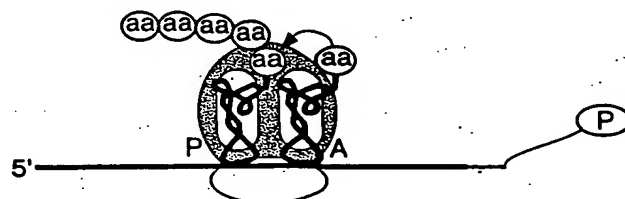
↓ DNA LIGASE



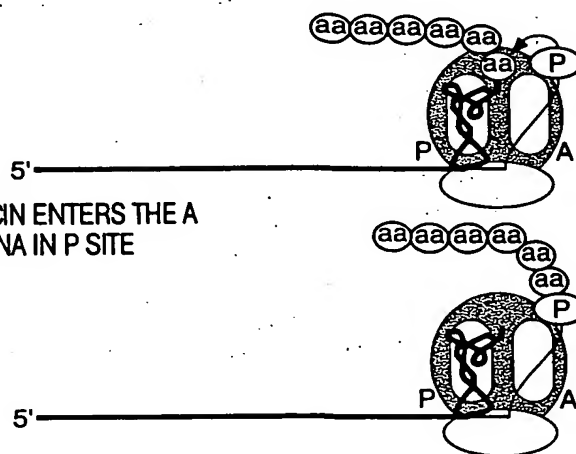
NOTE: FOR SHORT ORFS, THIS WHOLE TEMPLATE CAN BE MADE SYNTHETICALLY

Fig. 1C

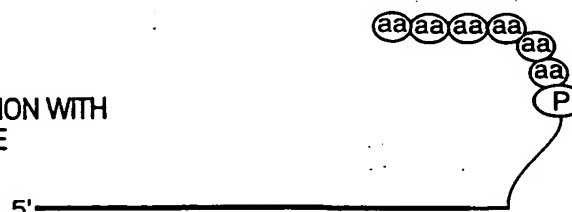
IN VITRO TRANSLATION PROCEEDS NORMALLY FROM THE 5' TO THE 3' END OF THE mRNA



COVALENTLY LINKED PUROMYCIN ENTERS THE A SITE AND ATTACKS PEPTIDYL tRNA IN P SITE



RELEASE OF RNA-PROTEIN FUSION WITH HIGH SALT WASH OF RIBOSOME



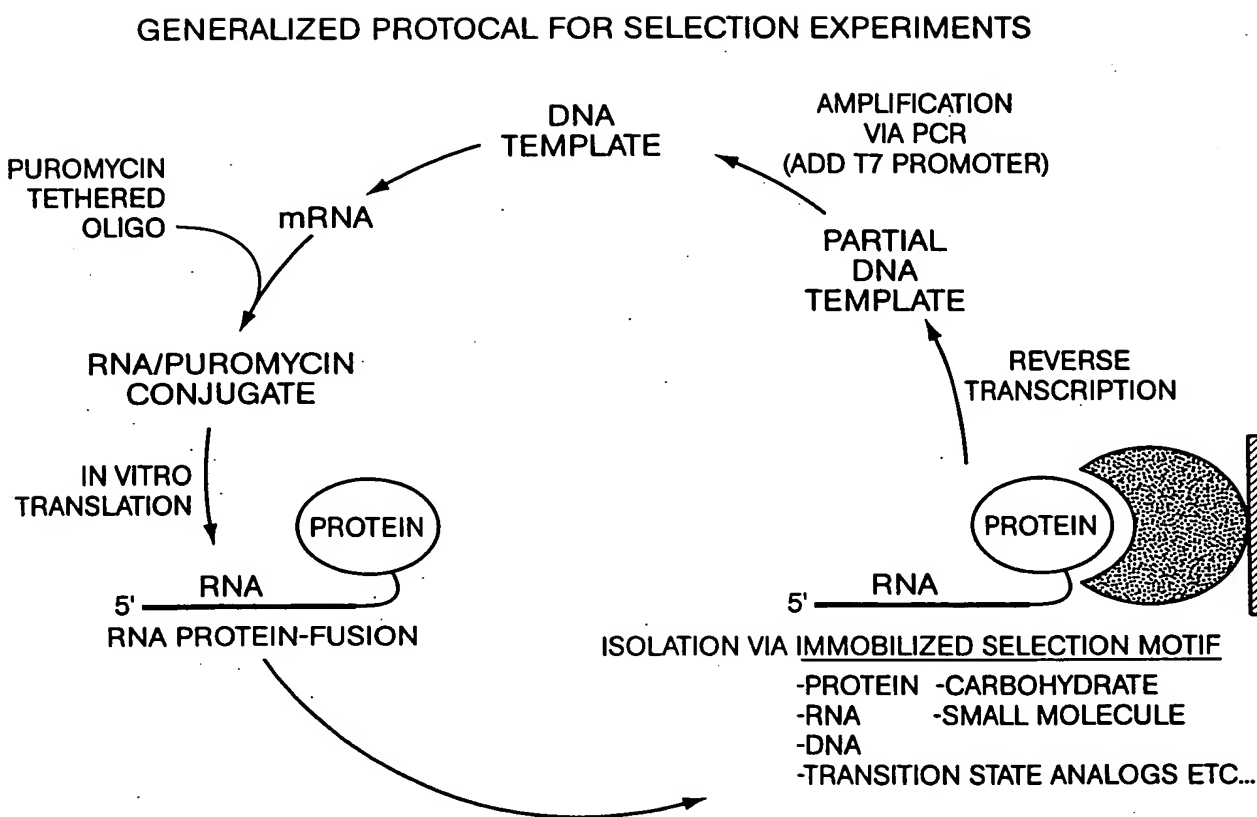


Fig. 2

Title: SELECTION OF PROTEINS USING RNA-PROTEIN FUSION

Applicant(s): Szostak et al.

Filing Date: January 26, 2004 Serial No.: not yet assigned

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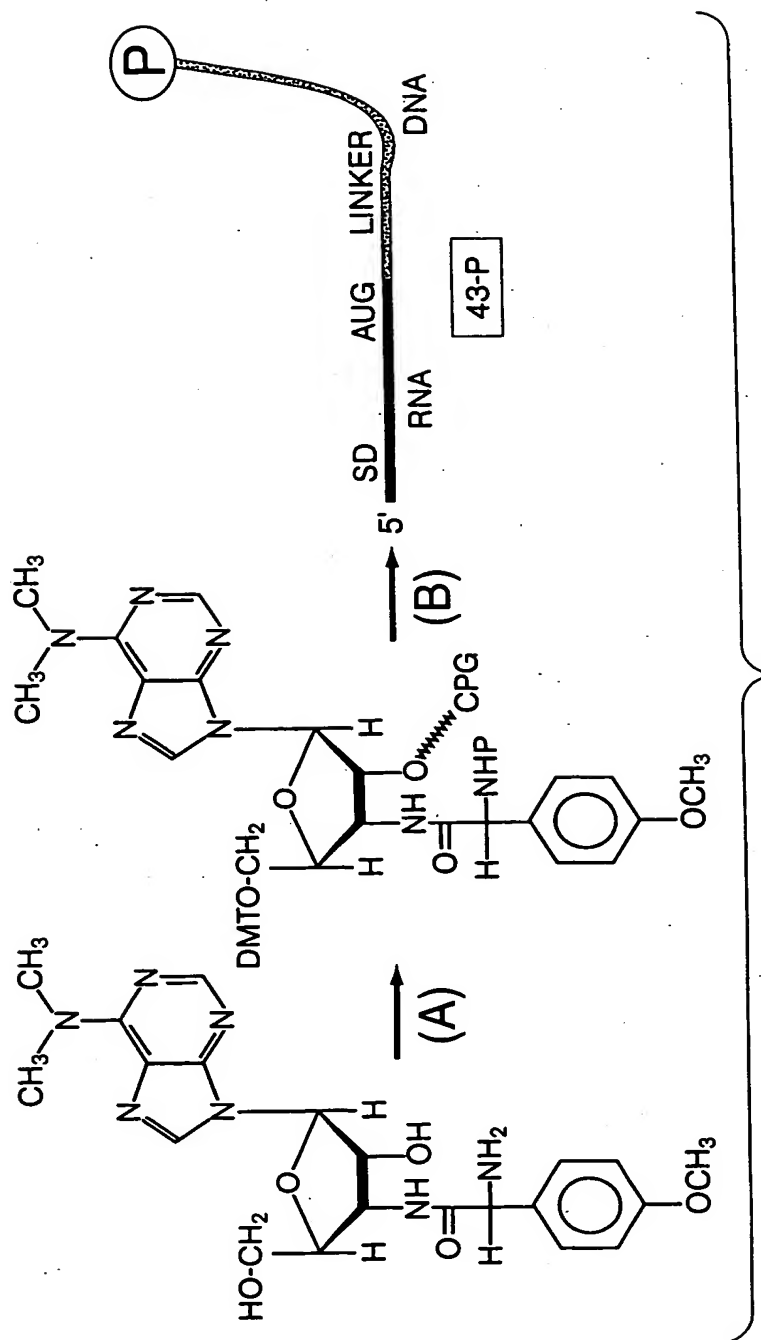


Fig. 3

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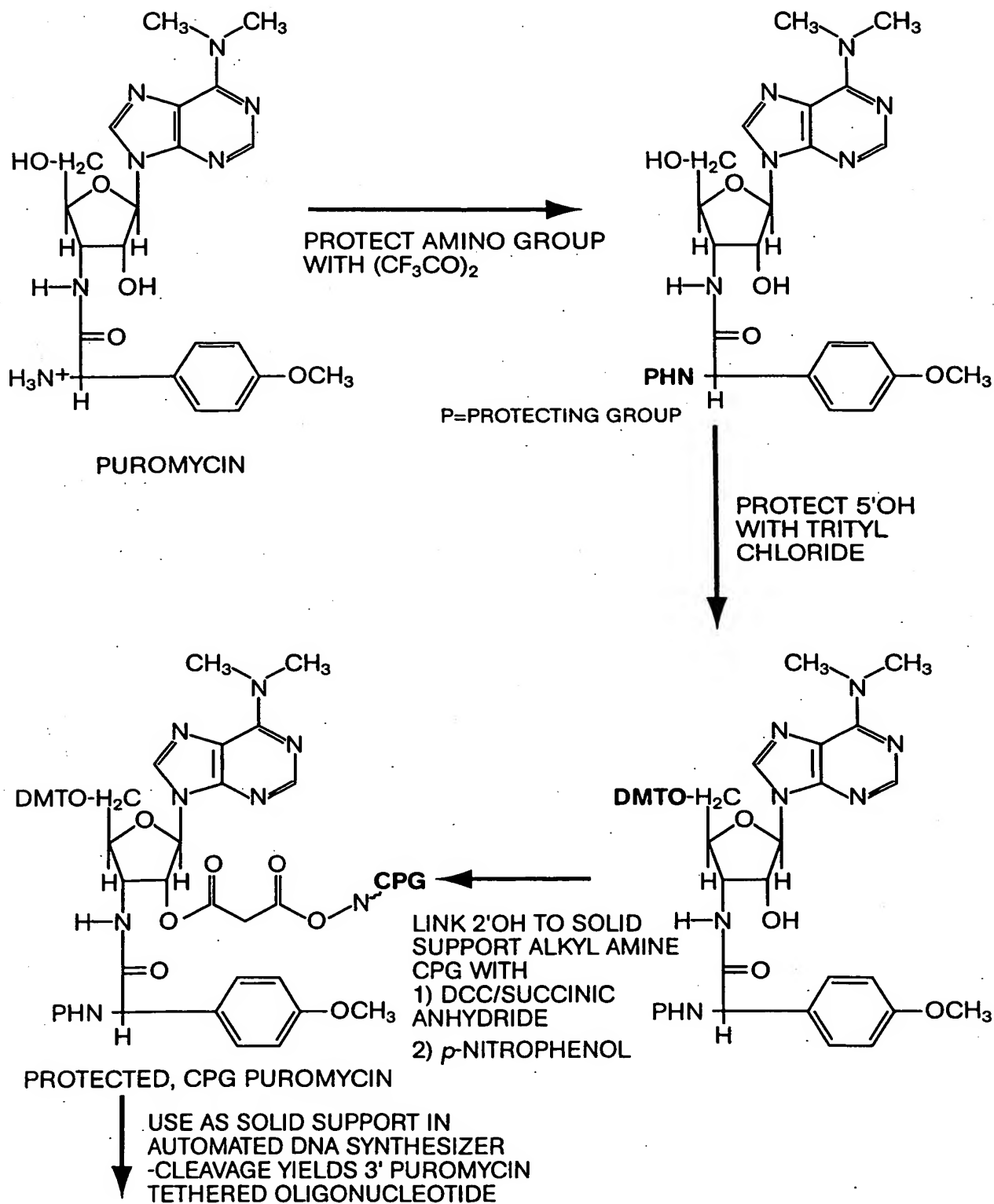


Fig. 4

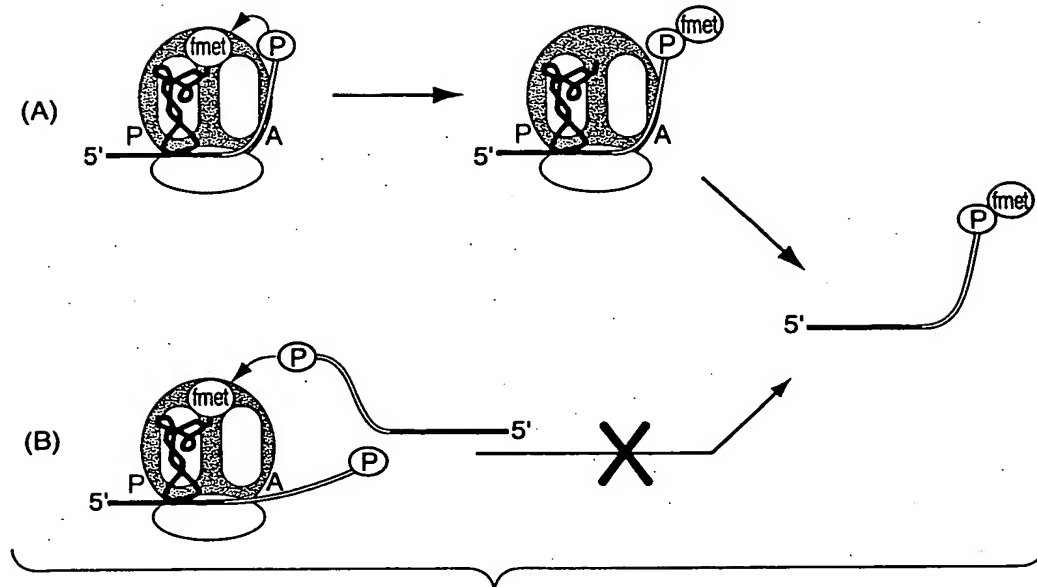


Fig. 5

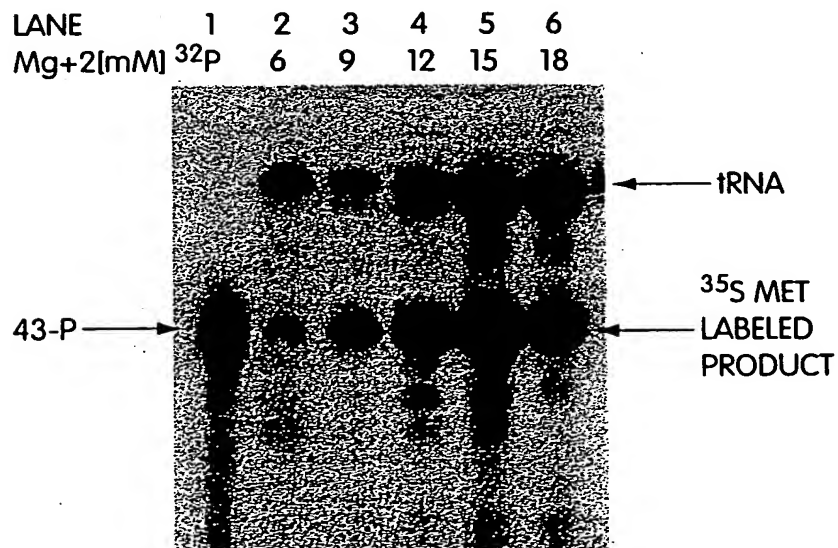


Fig. 6A

Title: SELECTION OF PROTEINS USING RNA-PROTEIN FUSION

Applicant(s): Szostak et al.

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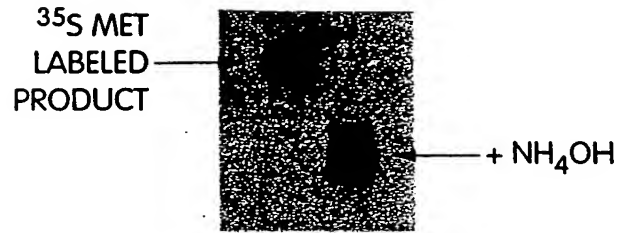


Fig. 6B

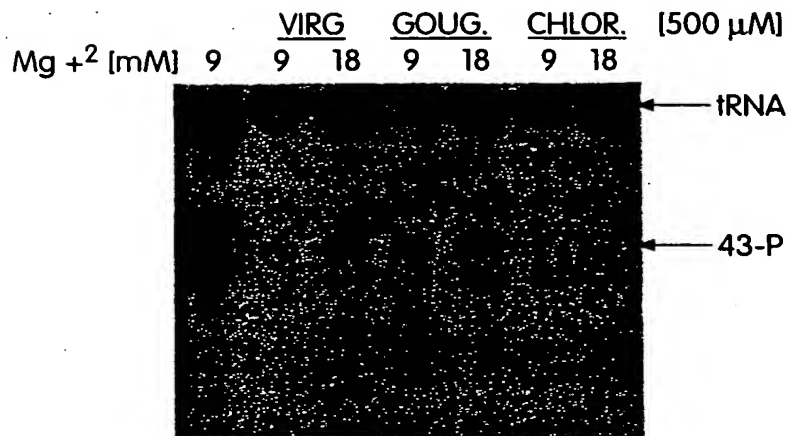


Fig. 6C

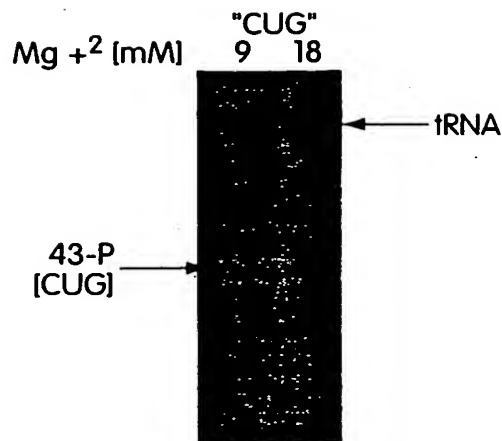


Fig. 6D

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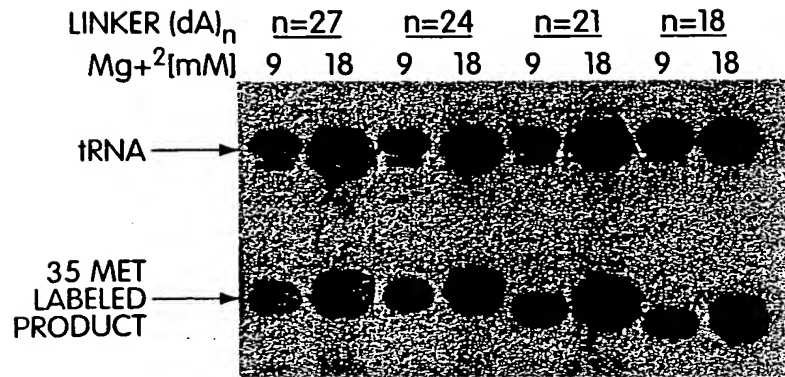


Fig. 6E

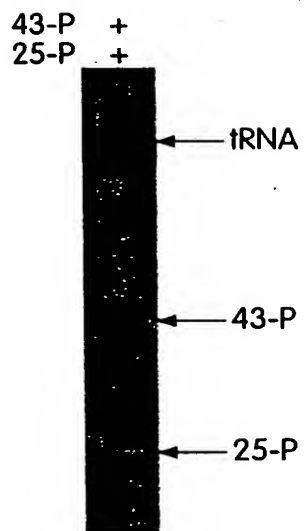


Fig. 6F



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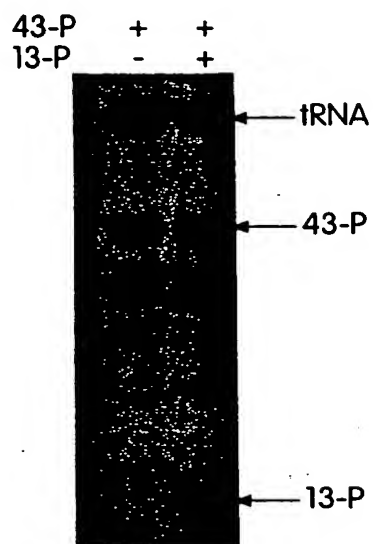


Fig. 6G

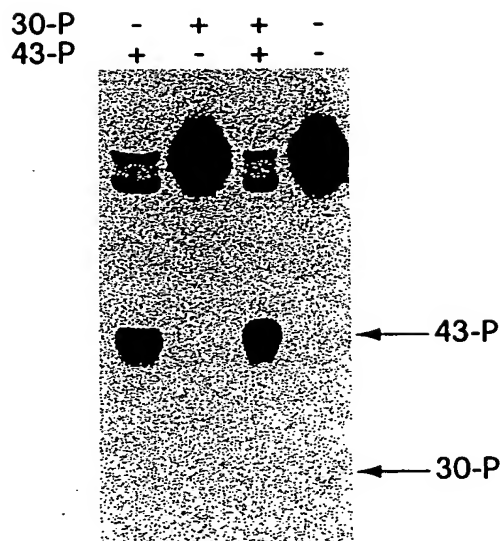


Fig. 6H

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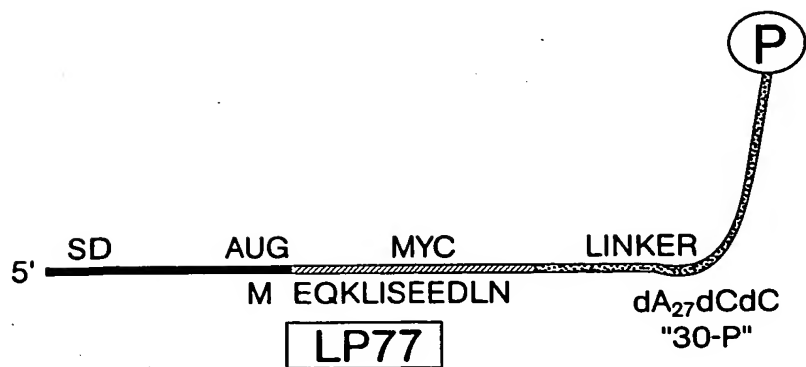


Fig. 7A

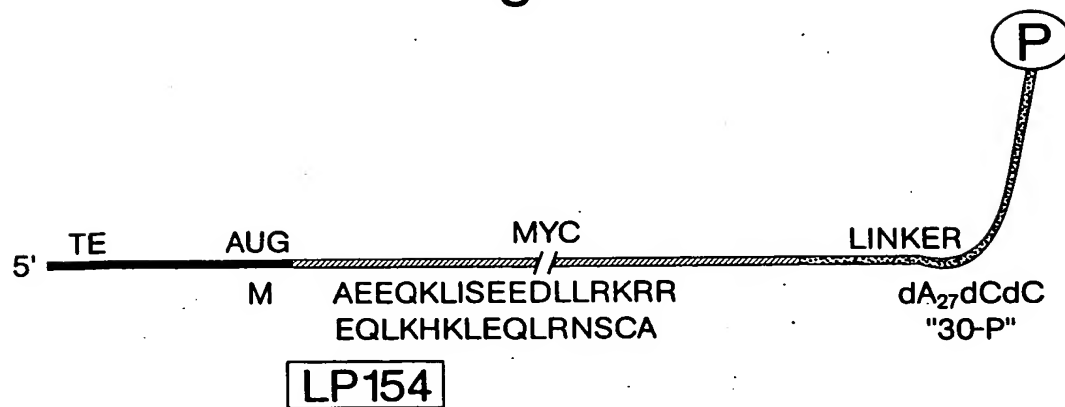


Fig. 7B

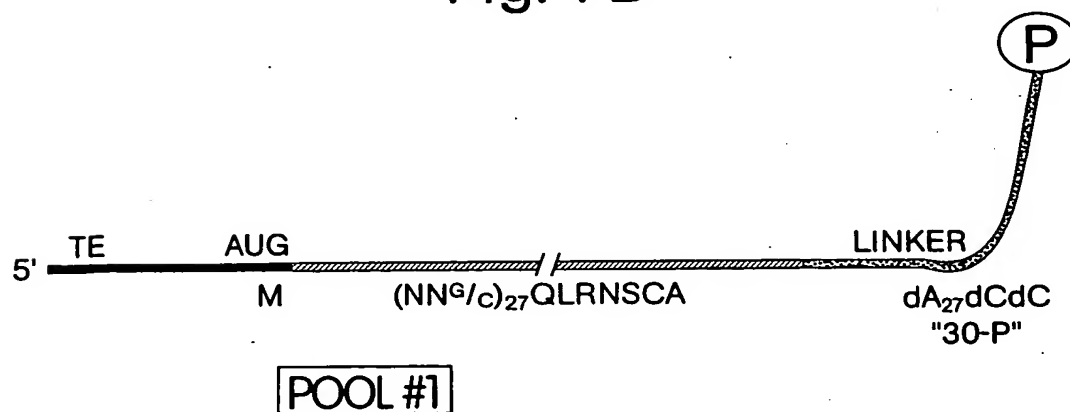


Fig. 7C

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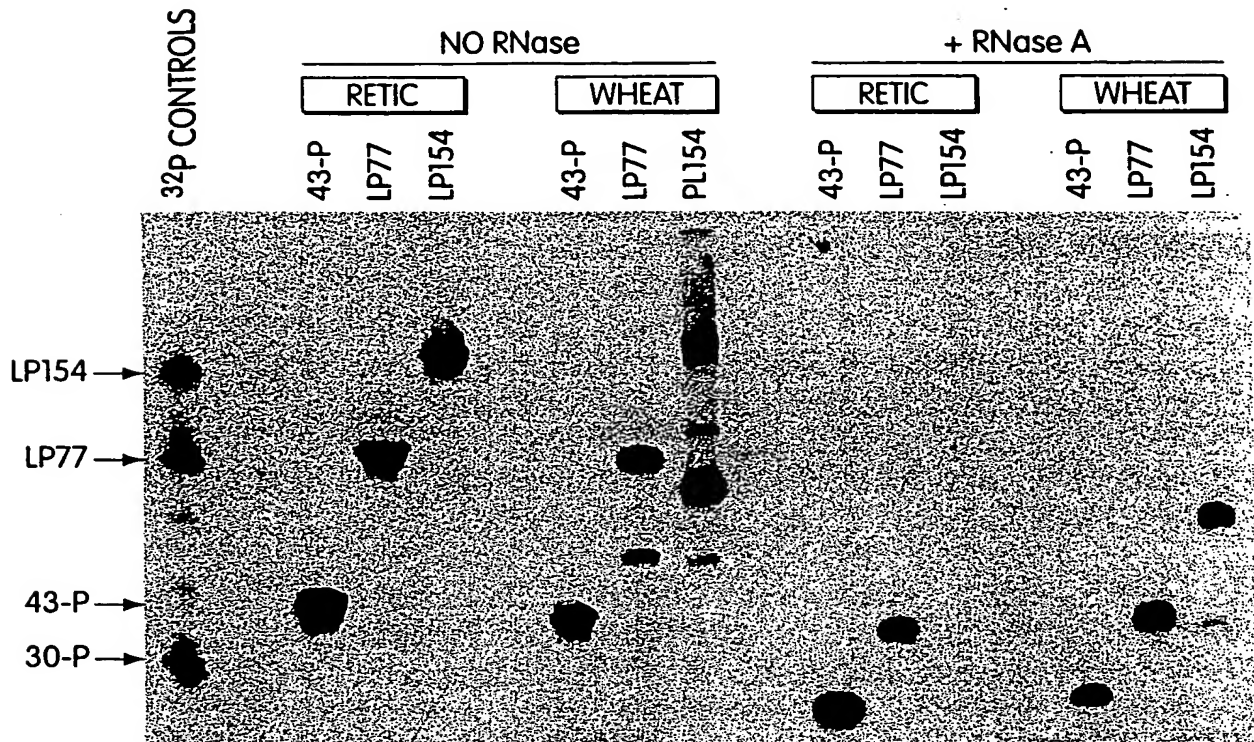


Fig. 8

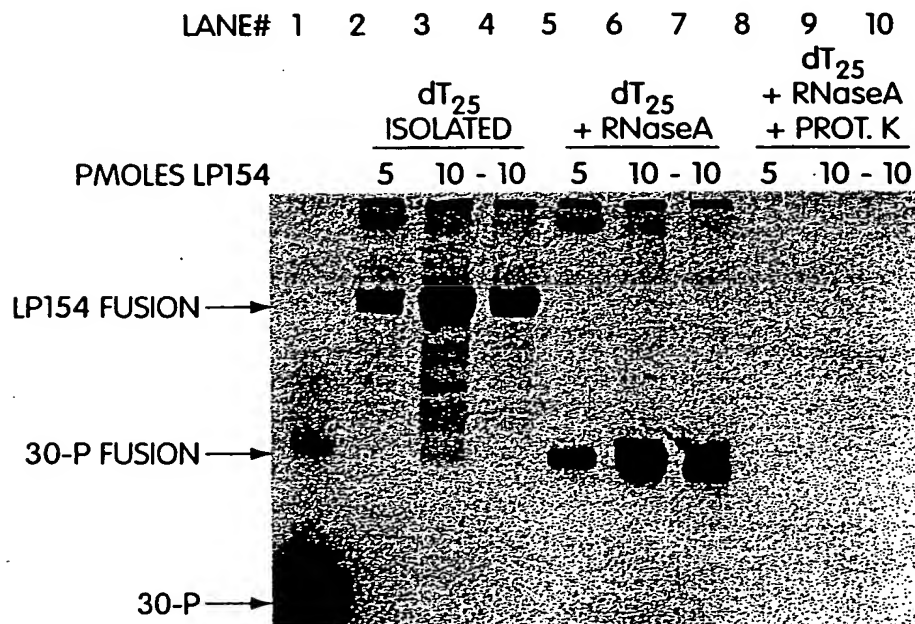


Fig. 9

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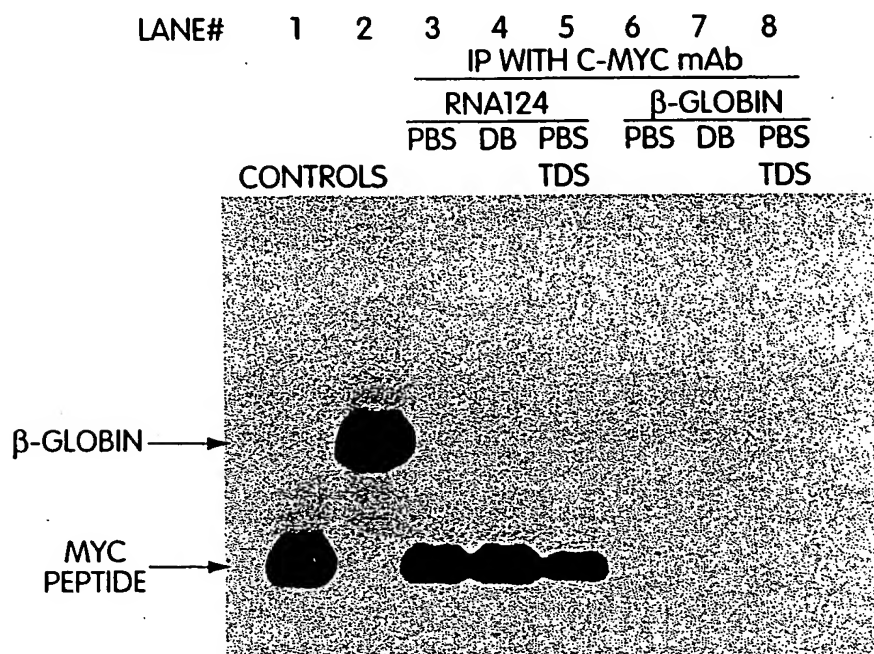


Fig. 10

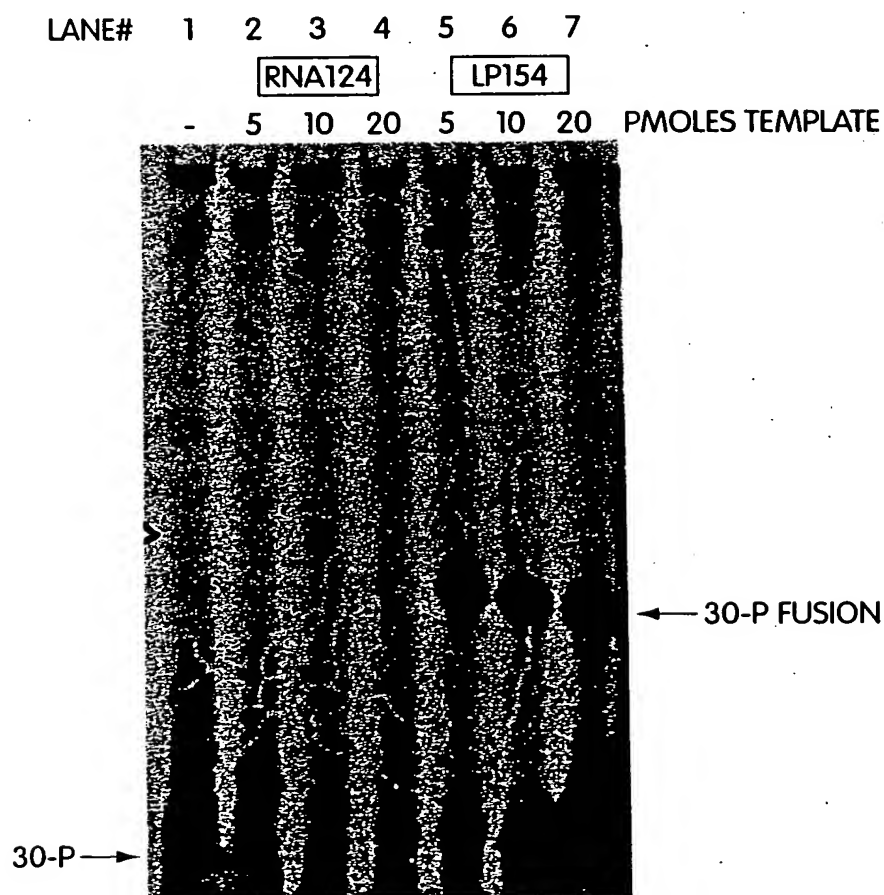


Fig. 11

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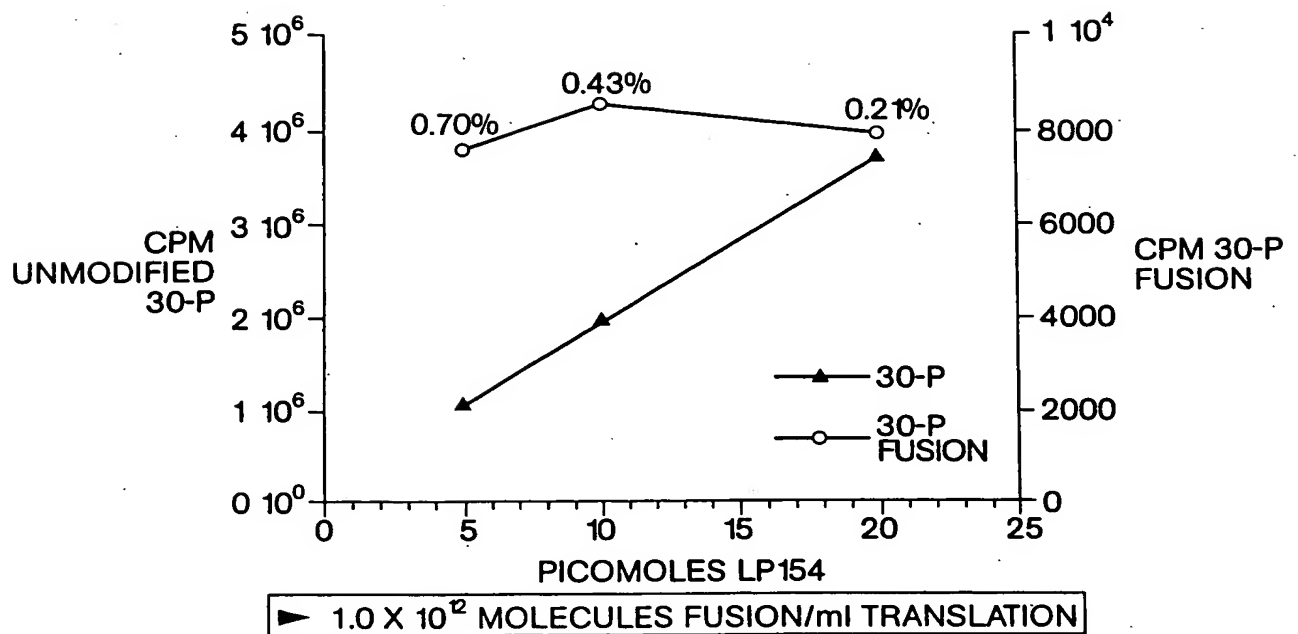


Fig. 12

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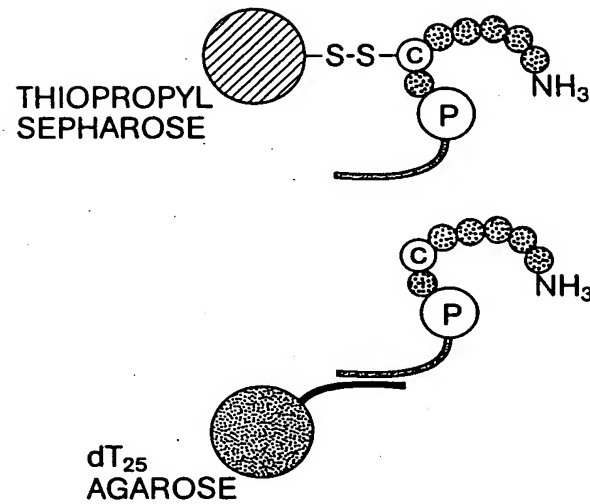


Fig. 13

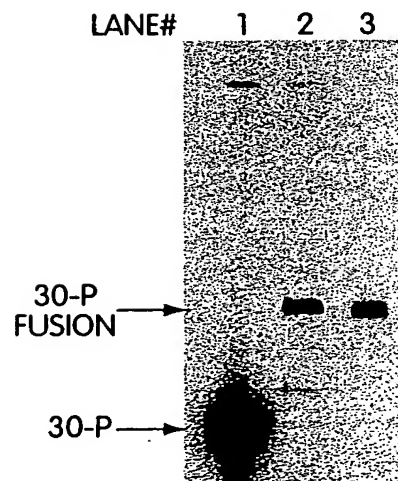


Fig. 14

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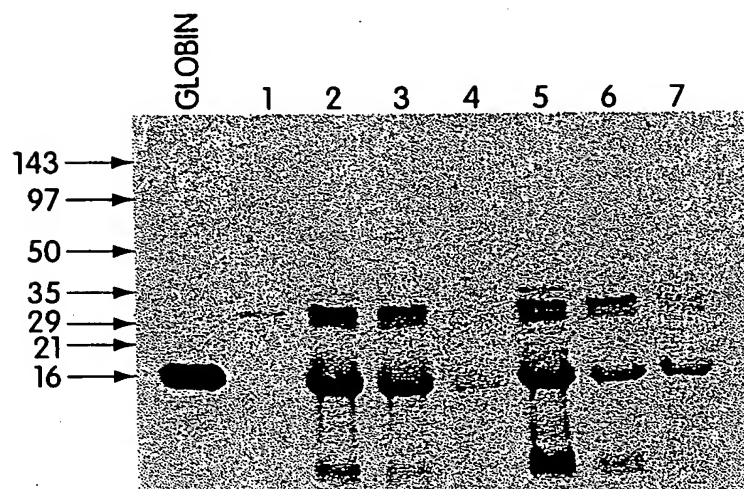


Fig. 15A

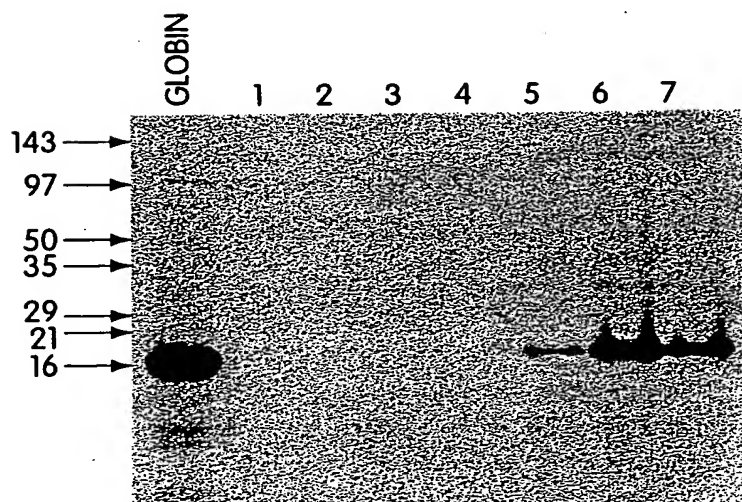


Fig. 15B

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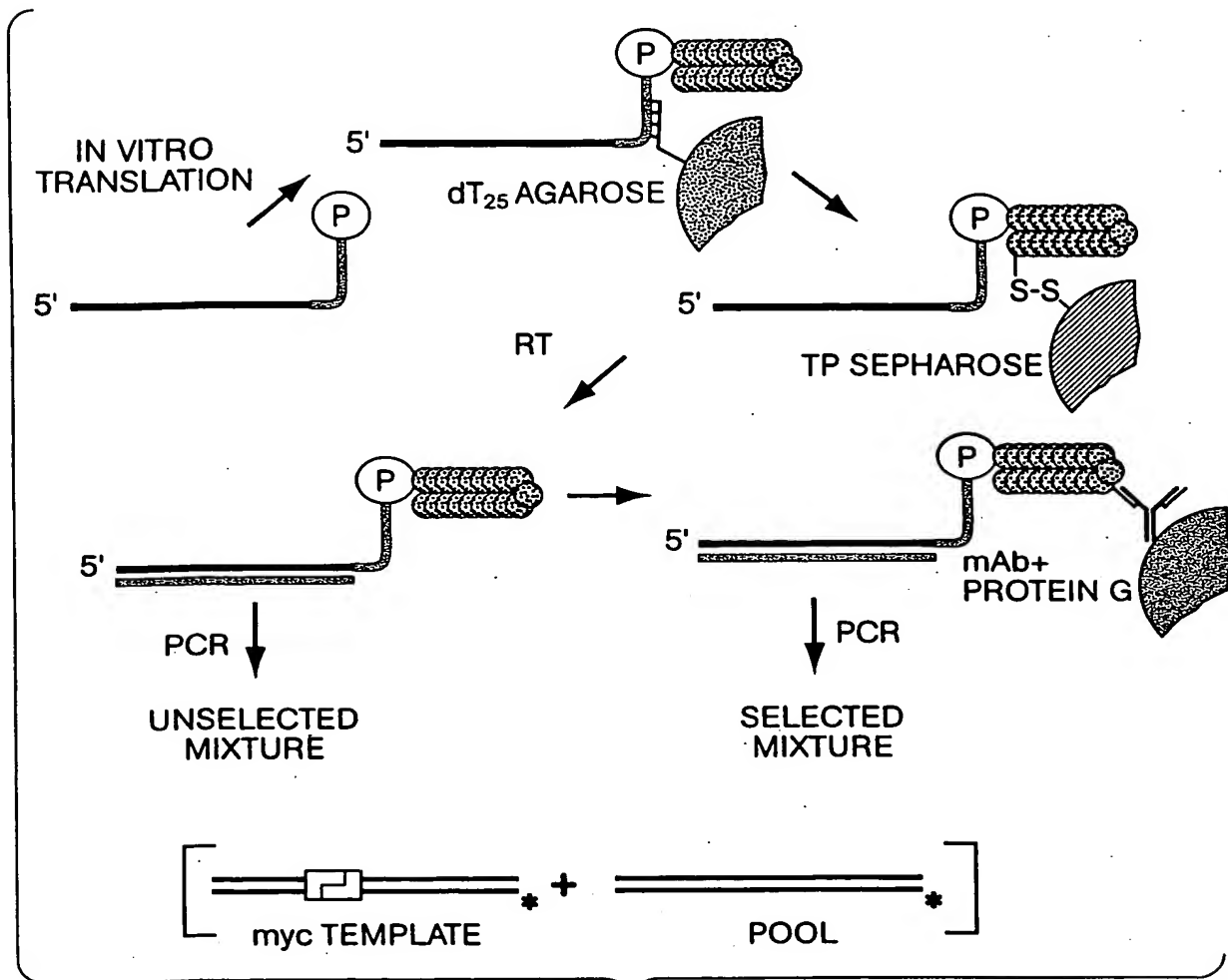


Fig. 16A

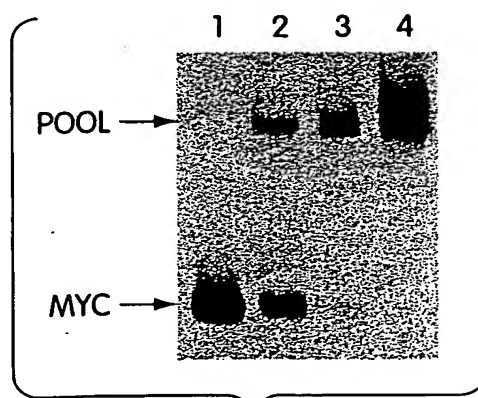


Fig. 16B

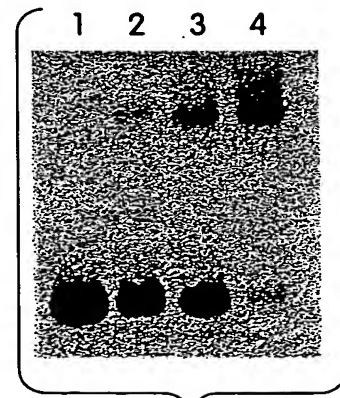


Fig. 16C



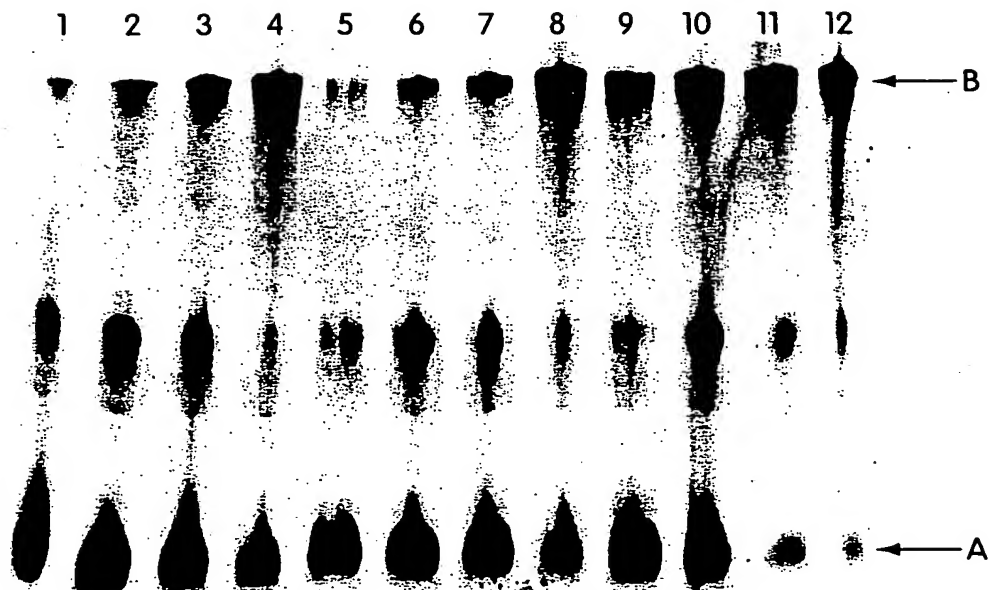


Fig. 17

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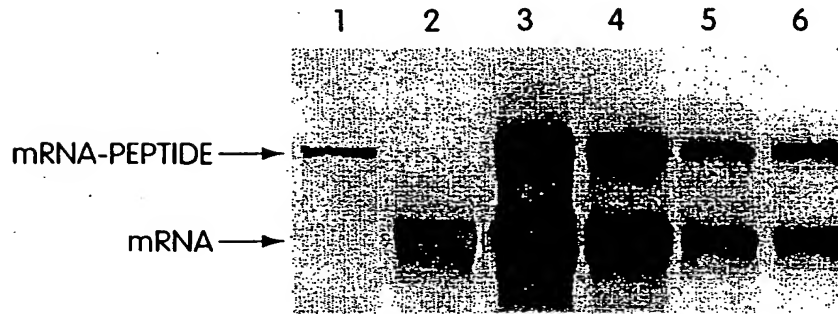


Fig. 18

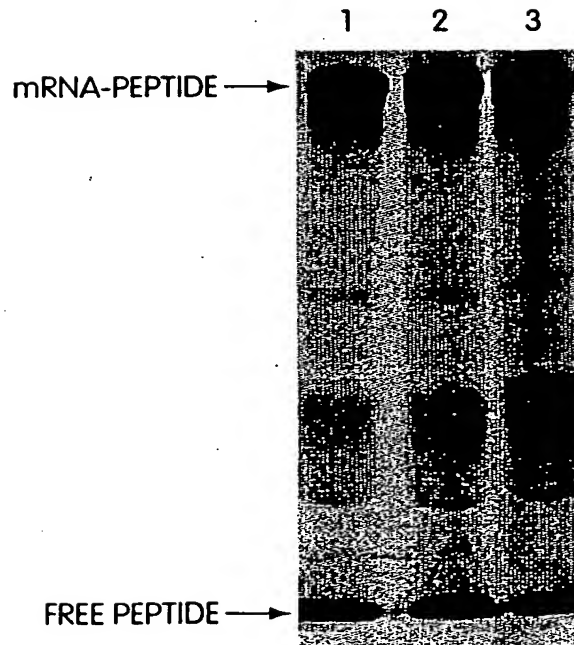


Fig. 19

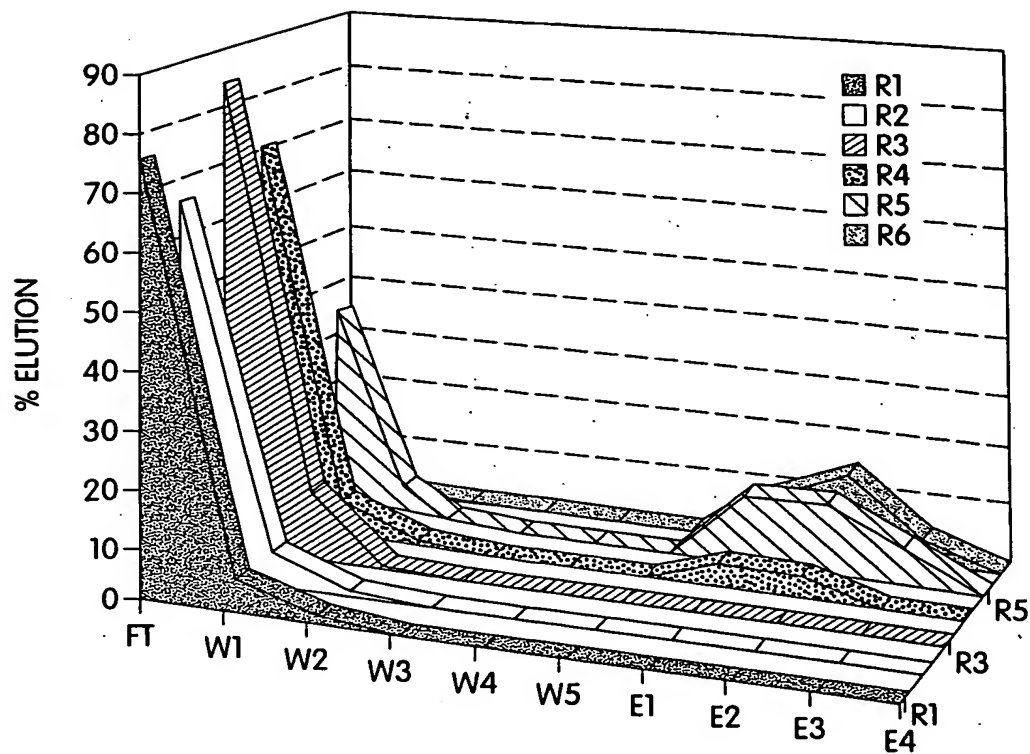


Fig. 20

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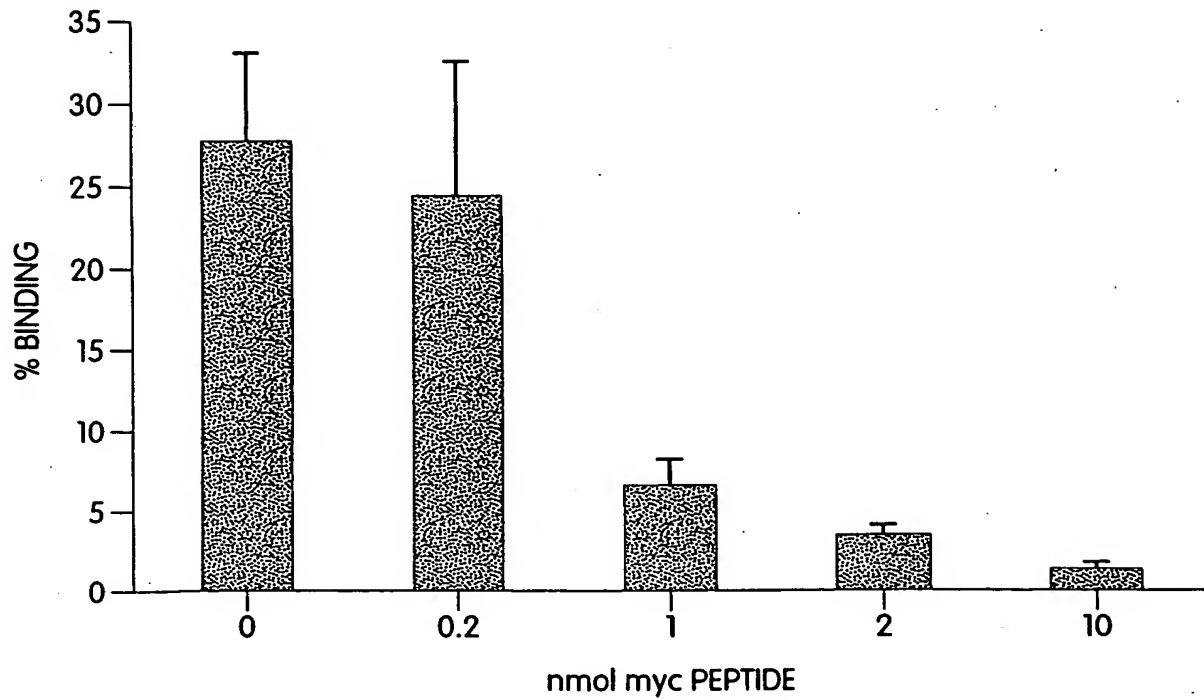


Fig. 21

c-myc EPI TOPE	E	Q	K	L	I	S	E	E	D	L
R6-51	C	A	S	V	I	S	E	R	E	C
R6-52	E	E	Y	L	V	S	E	Y	V	M
R6-53	R	Q	Y	L	I	S	E	Y	E	H
R6-55	L	Q	R	L	I	S	E	Q	M	F
R6-56	I	V	R	L	L	S	E	Y	H	M
R6-58	E	E	Y	L	L	S	E	Y	V	M
R6-60	M	Q	N	L	I	S	E	H	E	L
R6-61	T	M	D	L	I	P	E	H	Y	M
R6-63	E	Q	K	L	I	S	E	E	D	L
R6-66	D	M	M	L	I	S	E	K	E	L
R6-67	F	Q	A	L	I	A	E	E	E	L
R6-68	Q	R	V	L	I	S	E	F	W	L
CONSENSUS	X	Q/E	X	L	I	S	E	X	X	L/M

Fig. 22

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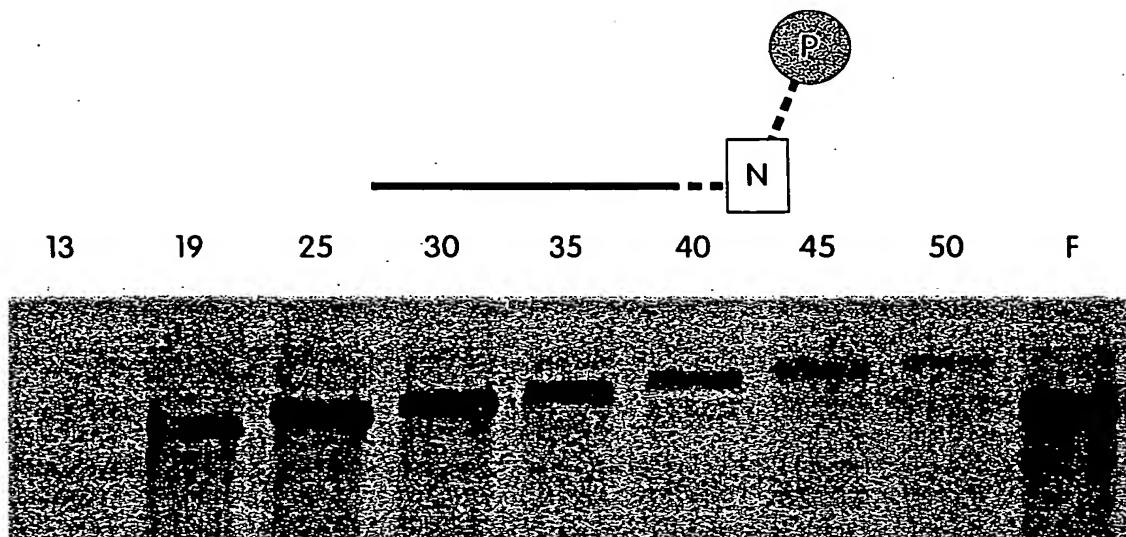


Fig. 23

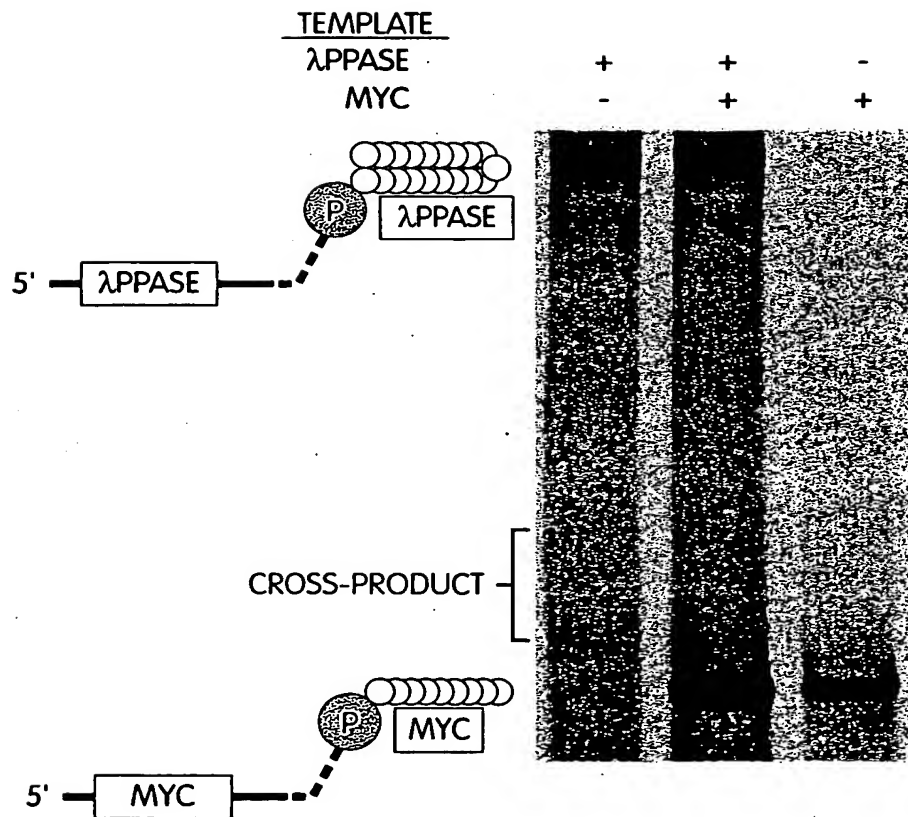


Fig. 24